

EQUIPMENT LIST

Need – Various Equipment Items for Eye Clinic Expansion

Market – Open Market

Brand Name Product(s) – See below

The following is a list of equipment items and draft characteristics. Government requirements are still being drafted and may change based on further market research and responses to this notice.

1. FULL POWER ARTICULATING CHAIR

Shall be equivalent to: RELIANCE 7000L FULL POWER CHAIR

1.1. Required Characteristics:

- 1.1.1. The chair must recline to a near flat position with adjustable surgical headrest.
- 1.1.2. Must have side controls with rotation locks for all positions of the chair.
- 1.1.3. The chair must have a finger panel switch to raise, lower or recline the chair, located on the side of the chair back.
- 1.1.4. Weight capacity of 500 pounds.
- 1.1.5. The chair shall have position memory settings to allow for one-button adjustment of seating position (at least three (3) memory positions).
- 1.1.6. Must have a safety switch capable of disabling the operation of all other switches.
- 1.1.7. Chair must have armrest locks.

2. STAND WITH CONSOLE WHEEL CHAIR

Shall be equivalent to: RELIANCE 7800 IC STAND WITH CONSOLE WHEEL CHAIR

2.1. Required Characteristics:

- 2.1.1. Stand must have a counter balanced slit lamp arm with a locking mechanism.
- 2.1.2. The stand must have a 12 inch range of travel and able to counterbalance instruments weighing up to 60 lbs. and must have a switch to raise and lower arm.
- 2.1.3. The refractor arm must be able to lock with the phoropter arm.
- 2.1.4. Switches to turn chart projector on and off as well as to lower chair and raise with auto return.
- 2.1.5. Switches to control chart projector with raise/lower auto down functions of chair. Membrane switches to control intensity of the overhead lamp and indirect ophthalmoscope.
- 2.1.6. Must have an overhead lamp with adjustable arm.

3. PNEUMATIC STOOL, UPHOLSTERED

Shall be equivalent to: RELIANCE RE5346 PNEUMATIC STOOL WITH BACK

3.1. Required Characteristics:

- 3.1.1. The stool must be pneumatic with a minimum seat diameter of 15 inches and a high density foam cushion.
- 3.1.2. The stool shall have a pneumatic assist to elevate the seat.

4. CHAIR MOVER

Shall be equivalent to: RELIANCE RPK1971 CHAIR MOVER

4.1. Required Characteristics:

- 4.1.1. The chair mover shall have a stainless steel base plate to guide the carriage and to prevent lateral movement.
- 4.1.2. The chair mover shall have an adjustable, mechanical stop to limit travel distance.

5. SLIT LAMP, LED

Shall be equivalent to: HAAG STREIT BQ900 LED UNIT MODEL

5.1. Required Characteristics:

- 5.1.1. The Lamp must specialize in anterior segment.
- 5.1.2. The Lamp shall have a standard magnification in 10x and 16x with a flip lever (*not a dial knob*) for changing magnification level.
- 5.1.3. Must have a video port to divert the images to a camera to see small prisms.
- 5.1.4. Must have yellow filter for contrast when using fluorescein.
- 5.1.5. Must have adjustable illumination control.
- 5.1.6. The slit lamp must be able to adjust from 0-14 mm also have UV and IR filters with blue, red and grey filters.

6. APPLANATION TONOMETER

Shall be equivalent to: HAAG STREIT HS09004.4 BQ APPLANATION TONOMETER

6.1. Required Characteristics:

- 6.1.1. The applanation tonometer must be able to adapt in a manner that allows for accurate readings, even if the patient is not fully fixated.
- 6.1.2. The tonometer must be able to mount onto the slit lamp.

7. CYLINDER PHOROPTOR

Shall be equivalent to: REICHERT RI11625B ULTRAMATIC MINUS CYLINDER PHOROPTOR

7.1. Required Characteristics:

- 7.1.1. The Phoroptor must have a (-) minus-type cylinder.
- 7.1.2. Must have sphere, cylinder power and cylinder axis scales with pin light alignment.

8. PROJECTOR SYSTEM

Shall be equivalent to: HAAG STREIT S3700 STIMULI ADVANACED PROJECTOR SYSTEM

8.1. Required Characteristics:

- 8.1.1. Must have automatic chart rotation with Snellen charts and including programmable chart selections (image charts; set of 25 standard).

9. INDIRECT OPHTHALMOSCOPE BINOCULAR, LED W/ WALL-MOUNTED CHARGER

Shall be equivalent to: HEINE OMEGA 500 LED BINOCULAR INDIRECT OPHTHALMOSCOPE, UNPLUGGED W/ EN50 AND 1 BATTERY (MODEL NO. C-04.33-537L)

9.1. Required Characteristics:

- 9.1.1. Must have rechargeable battery integrated on the headband.
- 9.1.2. Must have rechargeable battery
- 9.1.3. Charge status indicator
- 9.1.4. Direct operation possible while charging

10. REFRACTION DESK, RIGHT HANDED

Shall be equivalent to: COW Industries, Inc. REFRACTION DESK II RIGHT HAND (MODEL NO. COCBWC16-002)

10.1. Required Characteristics:

- 10.1.1. The refraction desk shall have the below room lighting interface kit installed into the desk.
- 10.1.2. The desk shall have an illuminated switch panel that includes the following functions. The desk control panel shall include switching for PIN lights, Autorefraction, Projector on/off switch, Room lighting on/off switch, Examination Chair on/off switch, Indirect Light Source on/off switch, and cradle hangers for the indirect light sources.
- 10.1.3. The desk shall accommodate both fluorescent and incandescent lighting.
- 10.1.4. The desk shall have 3.5v charging stations for all retinoscopes, PIN lights, and handles, ophthalmoscopes and transilluminators described elsewhere in this equipment list.

11. ROOM LIGHTING INTERFACE KIT

Shall be equivalent to: COW Industries, Inc. INTERFACE KIT (MODEL NO. COCBWC20-005)

11.1. Required Characteristics:

- 11.1.1. Lighting should be able to control from desk panel with illumination switches. See requirements for the Refraction Desk, above.

12. TRIAL LENS SET, FULL DIAMETER +&-

Shall be equivalent to: REICHERT RI15015 TRIAL LENS SET FULL DIAMETER +&-

12.1. Required Characteristics:

- 12.1.1. Full set of optical trial lens with metal rims.

13. TRIAL FRAME

Shall be equivalent to: REICHERT RI15010 TF50 TRIAL FRAME

13.1. Required Characteristics:

- 13.1.1. The trial frame shall be made of aluminum
- 13.1.2. The trail frame shall include axis controls and lens fitting adjustment controls.

14. COAXIAL OPHTHALMOSCOPE, 3.5V

Shall be equivalent to: WELCH ALLYN 3.5V COAXIAL OPHTHALMOSCOPE (MODEL NO. WA11720)

14.1. Required Characteristics:

- 14.1.1. Should be able to check corneal refraction
- 14.1.2. Must have 3.5 volt power sources
- 14.1.3. Must have aperture/filter combination for versatility
- 14.1.4. Must be capable to detect for cornel abrasions.

15. RETINOSCOPE

Shall be equivalent to: WELCH ALLYN ELITE RETINOSCOPE (MODEL NO. WA18245)

15.1. Required Characteristics:

- 15.1.1. Must have 2.8 brightness (illumination)
- 15.1.2. Glare elimination for trial lens
- 15.1.3. Must be capable to fit 3.5 volt power source.
- 15.1.4. Capable to detecting for astigmatism, myopia and hyperopia.

16. TRANSILLUMINATOR

Shall be equivalent to: WELCH ALLYN TRANSILLUMINATOR (MODEL NO. WA41100)

16.1. Required Characteristics:

- 16.1.1. Trans illuminator with a 3.5 v connector

17. RECHARGEABLE HANDLE, 3.5V

Shall be equivalent to: WELCH ALLYN 3.5V RECHARGEABLE HANDLE (MODEL NO. WA71670)

17.1. Required Characteristics:

- 17.1.1. Rechargeable handle with 3.5v connector

18. AUTOMATED REFRACTIVE KERATOMETER

Shall be equivalent to: TOPCON KR-800 AUTO REF-KERATOMETER (MODEL NO. 15094)

18.1. Required Characteristics:

- 18.1.1. Must be capable of keratometric and refractive measurements, with paper print out and computer connection.

19. HANDHELD TONOMETER

Shall be equivalent to: REICHERT ME23-0650 TONOPEN AVIA HANDHELD TONOMETER

19.1. Required Characteristics:

- 19.1.1. Must be capable of providing fast, accurate and reliable IOP measurements that are less sensitive to corneal centration.
- 19.1.2. The Handheld Tonometer shall have a durable build quality.

20. CORNEAL TOPOGRAPHY ANALYZER

Shall be equivalent to: TOPCON CA-800 CORNEAL ANALYZER (MODEL NO. TEM1248005)

20.1. Required Characteristics:

- 20.1.1. Curvature mapping a complete analysis of the cornea inclusive keratoconus probability index and height map of the corneal surface.
- 20.1.2. Provide fluorescein images.
- 20.1.3. Must be cable of measuring pupilometer, fluorescein and meibography
- 20.1.4. The analyzer shall be capable of calculating contact lens fitting
- 20.1.5. Must be capable of toric IOL calculation for cataract surgery.